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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/673,424	09/30/2003	Ching-Hsiung Lin	BHT-3101-199	2693	
7:	590 03/08/2005		EXAMINER		
BRUCE H. TROXELL			RODRIGUEZ, RUTH C		
SUITE 1404 5205 LEESBU	RG PIKE		ART UNIT	PAPER NUMBER	
	CH, VA 22041		3677		
			DATE MAILED: 03/08/200	5	

Please find below and/or attached an Office communication concerning this application or proceeding.

A. A				10			
0)	Applic	ation No.	Applicant(s)				
255	10/67	3,424	LIN, CHING-HSIUNG				
⟨ Office Action Summary⟩	Exami	ner	Art Unit				
		Rodriguez	3677				
The MAILING DATE of this comr Period for Reply	nunication appears on	the cover sheet with the	e correspondence address -	N.			
A SHORTENED STATUTORY PERIO THE MAILING DATE OF THIS COMM - Extensions of time may be available under the provi- after SIX (6) MONTHS from the mailing date of this of the period for reply specified above is less than thi - If NO period for reply is specified above, the maximumature or reply within the set or extended period for Any reply received by the Office later than three mone earned patent term adjustment. See 37 CFR 1.704(UNICATION. sions of 37 CFR 1.136(a). In n communication. rty (30) days, a reply within the m statutory period will apply ai reply will, by statute, cause the oths after the mailing date of th	o event, however, may a reply be statutory minimum of thirty (30) on d will expire SIX (6) MONTHS for application to become ABANDO	e timely filed days will be considered timely. om the mailing date of this communica NED (35 U.S.C. § 133).	ation.			
Status		ş •					
1) Responsive to communication(s	filed on 30 Septemb	er 2003	•				
2a) This action is FINAL .	2b)⊠ This action						
<u>'</u>	,		prosecution as to the merits	e ie			
• •	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
·	201100 a.i.ao. 2x parto	Quay.o, 1000 0.01 11,					
Disposition of Claims							
4) ⊠ Claim(s) <u>1-3</u> is/are pending in the 4a) Of the above claim(s) 5) □ Claim(s) is/are allowed. 6) ⊠ Claim(s) <u>1-3</u> is/are rejected. 7) □ Claim(s) is/are objected to result of the second	is/are withdrawn from						
Application Papers							
9)⊠ The specification is objected to b 10)⊠ The drawing(s) filed on 30 Septe Applicant may not request that any o Replacement drawing sheet(s) inclu 11)□ The oath or declaration is objecte	mber 2003 is/are: a) because of a because of	(s) be held in abeyance. Squired if the drawing(s) is	See 37 CFR 1.85(a). objected to. See 37 CFR 1.12				
Priority under 35 U.S.C. § 119							
12) Acknowledgment is made of a classification. All b) Some * c) None of the price of the price of the certified copies of the price of the certified copies of the certified copies.	of: ority documents have brity documents have been been been been been been been be	been received. been received in Applic uments have been rece Rule 17.2(a)).	ation No ived in this National Stage				
Attachment(s)				•			
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Reviews Information Disclosure Statement(s) (PTO-144 Paper No(s)/Mail Date 		4) Interview Summ Paper No(s)/Mai 5) Notice of Informa 6) Other:					

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DETAILED ACTION

Specification

 Applicant is reminded of the proper language and format for an abstract of the disclosure.

The abstract should be in narrative form and generally limited to a single paragraph on a separate sheet within the range of 50 to 150 words. It is important that the abstract not exceed 150 words in length since the space provided for the abstract on the computer tape used by the printer is limited. The form and legal phraseology often used in patent claims, such as "means" and "said," should be avoided. The abstract should describe the disclosure sufficiently to assist readers in deciding whether there is a need for consulting the full patent text for details.

The language should be clear and concise and should not repeat information given in the title. It should avoid using phrases which can be implied, such as, "The disclosure concerns," "The disclosure defined by this invention," "The disclosure describes," etc.

2. The abstract of the disclosure is objected to because the abstract exceeds 150 words. Correction is required.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States

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4. Claim 1 is rejected under 35 U.S.C. 102(b) as being anticipated by Turner et al. (US 5,718,033).

A locking/assembling structure for a bed (10) comprises a locating plug (44), a clamping washer (30) and a bolt (46). One end of the locating plug is formed with an axially extending projection for plugging into an opening of each end (26,28) of a transverse tube (14) of the bed. The locating plug is formed with a central thread hole extending from one end of the other end of the locating plug (Fig. 3). The clamping washer formed with a central through hole (Fig. 3). An outer circumference of the clamping washer is formed with at least two opposite clamping sections (68) which outward axially obliquely extend (Fig. 3). The bolt passes through a through hole of a longitudinal tube of the bed and fitted into the through hole of the clamping washer and screwed into the thread hole of the locating plug (Fig. 3). The clamping sections of the clamping washer hold and clamp an outer wall of the longitudinal tube (Fig. 3). The bolt screws into the thread hole (Fig. 3). The clamping sections of the clamping washer gradually converge to tightly clamp the longitudinal tube to make the longitudinal tube and the transverse tube more firmly assembled (Fig. 3).

Claim Rejections - 35 USC § 103

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

⁽a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the

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invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

6. Claims 2 and 3 rejected under 35 U.S.C. 103(a) as being unpatentable over Turner in view of Martelli (US 4,810,144).

Turner discloses a locking/assembling structure having all the features mentioned above in paragraph 4 for the rejection of claim 1. Turner discloses that the locating plug has an annular fastening plate fitted around the projection of the locating plug for tightly abutting against inner wall face of the transverse tube. Turner fails to disclose that multiple annular fastening plates are fitted around the projection of the locating plug for tightly abutting against inner wall face of the transverse tube at multiple points. However, Martelli teaches a locking /assembling structure comprising a tube (20), a locating plug (10) and a bolt (12). One end of the locating plug is formed with an axially extending projection for plugging into an opening of the tube. The locating plug is formed with a central thread hole (34) extending from one end of the other end of the locating plug (Fig. 4). The bolt screws into the thread hole of the locating plug (Fig. 1). Multiple annular fastening plates (36,50) are fitted around the projection of the locating plug for tightly abutting against inner wall face of the transverse tube at multiple points (Figs. 1-4). The locating plug has superior torque-resisting and axial holding characteristics due to presence of multiple annular fastening plates (C. 4, L. 14-22). Therefore, it would have been obvious to one having ordinary skill in the art at the time of applicant's invention to have multiple annular fastening plates fitted around the projection of the locating plug for tightly abutting against inner wall face of the transverse tube at multiple points as taught by Martelli in the structure of Turner. Doing

so, provides superior torque-resistance and axial holding due to presence of multiple annular fastening plates.

Martelli also teaches that a circumference of each fastening plate is formed with multiple notches (between legs 40 or between legs 50) (Figs. 1-4).

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Baroody (US 4,386,870) and Vieglins (US 4,541,600) are cited to show state of the art with respect to locking/assembling structures for tubular member that have some of features being claimed by the current application.

Deng (US 5,230,581) is cited to show state of the art with respect to a locating plug having the features being claimed by the current application.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ruth C Rodriguez whose telephone number is (703) 308-1881. The examiner can normally be reached on M-F 07:15 - 15:45.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, J. J. Swann can be reached on (703) 306-4115.

Submissions of your responses by facsimile transmission are encouraged. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306. Recognizing the fact that reducing cycle time in the processing and

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examination of patent applications will effectively increase the patent's term, it is to your benefit to submit responses by facsimile transmission whenever permissible. Such submission will place the response directly in our examining group's hands and will eliminate Post Office processing and delivery time as well as PTO's mailroom processing and delivery time. For a complete list of correspondence **not** permitted by facsimile transmission, see MPEP § 502.01. In general, most responses and/or amendments not requiring a fee, as well as those requiring a fee but charging such fee to a deposit account, can be submitted by facsimile transmission. Responses requiring a fee that the applicant is paying by check **should not be** submitted by facsimile transmission separately from the check.

Responses submitted by facsimile transmission should include a Certificate of Transmission (MPEP § 512). The following is an example of the format the certification might take:

I hereby certify that this correspondence is being facsimile transmitted to the Patent and Trademark Office (Fax No. (703) 872-9306) on ____(Date) .

(Typed or printed name of person signing this certificate)

(Signature)

If your response is submitted by facsimile transmission, you are hereby reminded that the original should be retained as evidence of authenticity (37 CFR 1.4 and MPEP § 502.02). Please do not separately mail the original or another copy unless required by the Patent and Trademark Office. Submission of the original response or a follow-up copy of the response has been transmitted by facsimile will cause further unnecessary

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delays in the processing of your application, duplicate responses where fees are charged to a deposit account may result in those fees being charged twice.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-1113.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Patent Examiner

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rcr March 3, 2005